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Weed Abstracts

A monthly journal compiled from the CAB ABSTRACTS database.
Produced by the DIVISION OF CROP PROTECTION AND GENETICS

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The journal is available at a special rate to subscribers in countries which make a financial contribution to CAB INTERNATIONAL. Orders and enquiries concerning subscriptions and back numbers should be sent to the Distribution Manager, Marketing and Distribution Services at the above address.

The Department of Crop Protection also prepares: *Review of Agricultural Entomology, Review of Plant Pathology, Nematological Abstracts, Plant Growth Regulator Abstracts* and *Seed Pathology and Microbiology*.

How to use Weed Abstracts

● Either BROWSE, using the CONTENTS

Within each issue, records are sequenced according to their principal subject matter – see CONTENTS page.

About half the records concern weed control in the field and are arranged by CROP, so browsing is particularly useful to crop specialists.

The more general headings in the CONTENTS include records that cannot easily be assigned to a single crop.

● Or SEARCH, using the INDEXES

Subject indexes and author indexes are compiled monthly and cumulated annually.

SUBJECT INDEX

This guides the user to all the records that make significant reference to specific topics, including the following:

WEED SPECIES

Scientific names are used. These entries provide detailed indexing of control, biology, ecology and utilization.

CROP SPECIES

English common names are used for major crops, scientific names for minor crops and other plants. Weed control and weed/crop relations are fully indexed.

HERBICIDES AND GROWTH REGULATORS

These are indexed under their common names (see list at the back of each journal issue), or under chemical names if common names have not been assigned.

COUNTRY OR REGION

For records where geographical occurrence is of relevance.

OTHER HEADINGS

The main ones are listed here. Scan the ANNUAL INDEX for a more complete picture.

Algae
Allelopathins
Application
Bibliographies
Books
Conferences
Defoliants
Desiccants
Economics
Education
Flora
Glossaries
Herbicide resistant weeds
*Herbicides
Legislation
Molecular genetics
Mycoherbicides
Reports
Reviews
Statistics
Surveys
Techniques
Utilization
*Weeds

*Terms used to index records that do not refer to specific plants or chemicals.

AUTHOR INDEX

All authors of each paper are indexed alphabetically by surname. Variants of surnames are also indexed.

A TYPICAL RECORD

1) Abstract No.
2) Authors
3) English translation of title
4) Title
5) Journal or other document
6) (Year) Volume (Part) pages
7) Language of text, any other language of summary
8) Address of first author
9) Abstract
10) Preferred name, if the author uses another name.

1 → **2379** KEES, H.; LUTZ, A. [**First experiences with**
3 → **Boxer (prosulfocarb) for cleaver control in potatoes.**]
4 → Erste Erfahrungen mit Boxer (Prosulfocarb) zur Klettenlabkrautbekämpfung im Kartoffelbau. *Gesunde* ← 5
6 → *Pflanzen* (1992) **44** (4) 112–114, 116–117 [De, en] Bayer. ← 7
Landesanstalt für Bodenkultur und Pflanzenbau, Abt. Pflanzenschutz, Menzingerstr. 54, 8000 Munich 19, ← 8
Germany.
9 → **Boxer (prosulfocarb) at 5 litres/ha applied immediately before emergence has proved a good substitute for Racer (flurochloridone) whose registration for the control of cleavers (*Galium aparine*) in potatoes in Germany is unlikely to be renewed. Tank mixtures of Boxer at 4 litres/ha with Sencor WG [metribuzin] or Patoran**
10 → **[metobromuron] increase the spectrum of activity and margin of safety. The use of Boxer post-em. must await the results of further trials on its crop tolerance.**

The title should be read as an integral part of the abstract.

Unless otherwise stated, rates of application for growth-regulator herbicides such as 2,4-D, MCPA, fenoprop, dalapon, the benzoics etc. are given as the acid equivalent. Rates for other herbicides such as ureas, carbamates, triazines etc. are given as the active ingredient. Rates for the bipyridyls refer to the cation only.

TO OBTAIN A COPY OF THE ORIGINAL ITEM

Use the CAB International Document Delivery Service. A form is printed in this issue.

LIST OF JOURNALS CITED

The annual indexes include an alphabetical list of all journals cited during the year.

ABBREVIATIONS

A number of easily understood abbreviations are used (e.g. sp., species). The following are also used.

a.e.	acid equivalent	ED	effective dose	pre-em.	pre-emergence
a.i.	active ingredient	EM	electron microscope	RH	relative humidity
conc.	concentrated	FW	fresh weight	SEM	scanning electron microscope
concn	concentration(s)	LC	lethal concentration		
DM	dry matter	LD	lethal dose	ULV	ultralow volume
DW	dry weight	OM	organic matter	w.p.	wettable powder
e.c.	emulsifiable concentrate	post-em.	post-emergence		

In abbreviations for languages an initial capital denotes the language of the paper, an initial small letter the language of the summary:

Af	Afrikaans	En	English	Ja	Japanese	Pt	Portuguese
Al	Albanian	Eo	Esperanto	Ko	Korean	Ro	Romanian
Ar	Arabic	Es	Spanish	La	Latin	Ru	Russian
Az	Azerbaijani	Fi	Finnish	Li	Lithuanian	Sh	Serbo-Croat (either script)
Be	Byelorussian (White Russian)	Fr	French	Lv	Latvian		
		Gr	Greek	Ma	Macedonian	Sk	Slovak
Bg	Bulgarian	He	Hebrew	My	Malay and Bahasa Malaysia	Sn	Slovene
Ch	Chinese	Hu	Hungarian			Sv	Swedish
Cs	Czech	Ia	Interlingua	Nl	Dutch, Flemish	Ta	Tajik
Da	Danish	In	Indonesian	No	Norwegian	Tr	Turkish
De	German	Is	Icelandic	Pe	Persian	Uk	Ukrainian
Ee	Estonian	It	Italian	Pl	Polish		

CAB International Division of Crop Protection and Genetics
How the crop protection abstract journals are compiled

Review of Agricultural Entomology
Review of Plant Pathology
Nematological Abstracts
Weed Abstracts

Their purpose

These four journals are designed to keep readers in touch with developments in the crop protection sciences, by abstracting the more important world scientific literature and by publishing review articles. A calendar of crop protection events is included. The abstracts are intended to be full enough for readers to decide whether they need to see the original documents.

The scale and diversity of the agricultural source literature

Over 10,000 journals and other serial publications on agriculture and allied disciplines are received regularly by CAB International; these comprise more than 50,000 documents annually. Over 3000 books and other non-serials are also received each year. Publications are received from some 150 countries, in more than 50 languages. Even though English is increasingly the international language of science, some 40% of the literature is in other languages.

Scanning and abstracting the source literature of crop protection

All these documents are scanned by CABI subject specialists and are available to the CABI Division of Crop Protection and Genetics. About 3000 journals, and numerous new books, are scanned regularly in the Division whose staff includes specialists in entomology, plant pathology, nematology, weed science, plant genetics and also linguists.

These specialists identify items within the scope of the four crop protection journals – broadly, scientific documents about agriculturally significant pests (invertebrates, plant pathogens and weeds), beneficial organisms, and relevant crop protection practices and products.

For each item, a record is created consisting of:
- bibliographic information
- an abstract, in English
- subject coding
- index terms.

The CAB ABSTRACTS database

These records are added to the CAB ABSTRACTS bibliographic database. This machine-readable database contains all records published since 1973 in about 50 CABI abstract journals. The total of over 2 million records is growing by more than 150,000 new records per year, of which more than 20,000 per year are on crop protection. The database is available to users for retrospective retrieval and for maintaining current awareness of literature on defined topics. See separate page, and inside back cover.

The crop protection abstract journals

At intervals, relevant records newly added to the database are selected and become the basis for a new issue of one of the crop protection journals. Records are sorted into a standard sequence within each journal issue, according to subject matter. An author index and a subject index are generated. Cumulative indexes are generated at the end of each year.

Scientific links

Each of the four crop protection journals has its own international Editorial Advisory Board of subject specialists. Their members advise on the content and development of the journals, and commission review articles of topical interest.

The CABI Division of Crop Protection and Genetics maintains close contact with the International Institute of Entomology (IIE), the International Mycological Institute (IMI), the International Institute of Parasitology (IIP) and the International Institute of Biological Control (IIBC). These links are especially important in providing the authority for the preferred names of pest organisms used in the journal indexes. IIBC is responsible for compiling the related abstract journal *Biocontrol News and Information*.

The Division of Crop Protection and Genetics is also in close contact with subject specialists in the four other Divisions of the CABI Information Services who compile 45 abstract journals covering the rest of agriculture, forestry and allied disciplines. Comments from users are always welcome. Please write to Mr Geoffrey A. Viney, Division of Crop Protection and Genetics, CAB International, Wallingford, Oxon OX10 8DE, UK.

CAB International Electronic Publications

CAB ABSTRACTS Database

All of the abstracts and citations published in any of the CABI Abstract Journals are derived from a computerised database known as CAB ABSTRACTS. The database, containing over 2.7 million records, and its various subsets are available in several electronic formats, as follows.

Online

- Publicly available worldwide through the following online hosts:
  - DIALOG
  - DIMDI
  - DataStar
  - CAN/OLE
  - ESA-IRS
  - STN

Electronic Journals

- All CABI Abstract Journals on floppy disk, in comma-delimited, Pro-Cite or ISO2709 format.
- Update frequency is the same as for the printed journal.
- Data available on either 3.5" or 5.25" high density diskettes.

CD-ROM (Compact Disc Read Only Memory)

CABCD

- Three volumes containing the entire CAB ABSTRACTS database since 1984.

CAB SPECTRUM

- An array of subject-specific CD-ROMs.
- **VETCD** – 20 years of information on Veterinary Science and Animal Health.
- **BEASTCD** – 20 years of information on Animal Production and Dairy Technology.
- **TREECD** – 50 years of information on Forestry, Agroforestry & Forest Products.
- **CABPESTCD** – 20 years of information on Crop Protection.
- **SOILCD** – 20 years of information on Soils, Water and Land Management.
- **HORTCD** – 20 years of information on Horticulture, Ornamental Horticulture and Plantation Crops.

CAB COLLECTION

- **PolTox III:CAB** –Environmental pollution and toxicology information since 1983.
- **Human Nutrition on CD-ROM** – 10 years of data from CAB ABSTRACTS, FSTA, Medline and the Life Sciences Collection.

Current Awareness

SDI Service

- Based on the most recent input to the CAB ABSTRACTS database.
- Subscribers decide their own search profile.
- Monthly search results on computer printout or floppy disk.
- Full bibliographic details and informative abstracts for the records retrieved.

CAB Alerts

- Similar to the SDI service, but with titles and search strategies chosen by CABI staff.
- Monthly output is provided on computer printout.

Retrospective Searches

- An online retrospective search of the CAB ABSTRACTS database.
- Provides citations and abstracts to published papers in the subject area of choice.
- Search output is available on computer printout or floppy disk.

For more details of these, or any other CABI Electronic Publications, contact the Marketing Manager for Electronic Publications, CAB International, Wallingford, Oxon OX10 8DE, UK.

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Listed below are the titles of the serial publications (excluding most annual reports and conference proceedings) abstracted during 1993 for this journal. All the titles are given in full, except abbreviated titles taken from secondary publications such as *Referativnyi Zhurnal*.
Many other serials were scanned during 1993 but no relevant articles were selected. A full list of all the serials scanned for items suitable for abstracting for the CAB ABSTRACTS database and the whole range of CABI's abstract journals is given in the *CAB International Serials Checklist, 1988 edition*. The publication includes ISSNs and publishers' addresses.

Acarologia
ACS Symposium Series
Acta Academiae Agriculturae ac Technicae Olstenensis, Agricultura
Acta Agriculturae Shanghai
Acta Agriculturae Universitatis Jiangxiensis
Acta Agriculturae Universitatis Zhejiangensis
Acta Agrobotanica
Acta Biotheoretica
Acta Botanica Croatica
Acta Botanica Fennica
Acta Botanica Indica
Acta Botanica Neerlandica
Acta Ecologica Sinica
Acta Facultatis Rerum Naturalium Universitatis Comenianae, Botanica
Acta Horticulturae
Acta Hydrochimica et Hydrobiologica
Acta Oecologica
Acta Pharmaceutica Sinica
Acta Phytopathologica et Entomologica Hungarica
Acta Societatis Botanicorum Poloniae
Acta Veterinaria Scandinavica
Acta Zoologica Bulgarica
Advances in Plant Sciences
Advisory Bulletin - NSW Agriculture & Fisheries
Aerobiologia
Afrique Agriculture
Afro-Asian Journal of Nematology
AgBiotech News and Information
Agents and Actions
Agnote (Darwin)
Agrarökologie
Agri-fax
Agribiological Research
Agricoltura Mediterranea
Agricultura Técnica (Santiago)
Agricultural and Biological Chemistry
Agricultural Engineer
Agricultural Engineering
Agricultural Mechanization in Asia, Africa and Latin America
Agricultural Research (Washington)
Agricultural Research Journal of Kerala
Agricultural Research Review
Agricultural Reviews (Karnal)
Agricultural Situation in India
Agricultural Systems
Agriculture and Horticulture
Agriculture Canada Publication
Agriculture, Ecosystems & Environment
Agrivita
Agro Food Industry Hi-Tech
Agro-Chemicals News in Brief
Agrochimica
Agroforestry Systems
Agroforestry Today
Agrokhimiya
Agronomia Colombiana
Agronomía Costarricense
Agronomie Tropicale
Agronomy Journal
Agrotropica
AIAS Occasional Publication
Al Awamia
Aliso
Allgemeine Forst- und Jagdzeitung
American Entomologist
American Fern Journal
American Industrial Hygiene Association Journal
American Journal of Agricultural Economics
American Journal of Botany
American Journal of Industrial Medicine
American Midland Naturalist
American Naturalist
Analaytica Chimica Acta
Analele Institutului de Cercetări pentru Cereale şi Plante Tehnice, Fundulea
Analyst
Analytica Chimica Acta
Analytical Chemistry (Washington)
Analytical Letters
Angewandte Botanik
Angewandte Chemie (English Edition)
Annales Botanici Fennici
Annales de Médecine Vétérinaire
Annales du Tabac. Section 2.
Annals of Agricultural Research
Annals of Agricultural Science (Cairo)
Annals of Agricultural Science, Moshtohor
Annals of Allergy
Annals of Applied Biology
Annals of Biology
Annals of Botany
Annals of Epidemiology
Annals of Plant Protection Sciences
Annals of the Entomological Society of America
Annals of the Missouri Botanical Garden
Année Biologique
Annual Report of the Tokyo Metropolitan Research Laboratory of Public Health
Annual Review of Plant Physiology and Plant Molecular Biology
Antibiotiki i Khimioterapiya
Anzeiger für Schädlingskunde, Pflanzenschutz, Umweltschutz
Applied and Environmental Microbiology
Applied Animal Behaviour Science
Applied Engineering in Agriculture
Applied Entomology and Phytopathology
Applied Microbiology and Biotechnology
Applied Plant Science
AQIS Bulletin
Aquacultural Engineering
Aquatic Botany
Arboriculture Fruitière
Archiv für Acker- und Pflanzenbau und Bodenkunde
Archiv für Hydrobiologie
Archiv für Hydrobiologie, Supplementband, Monographische Beiträge
Archiv für Naturschutz und Landschaftsforschung
Archiv für Phytopathologie und Pflanzenschutz
Archives of Animal Nutrition
Archives of Biochemistry and Biophysics
Archives of Environmental Contamination and Toxicology
Archives of Toxicology
Arkansas Farm Research
Arnoldia (Boston)
Arquivos de Biologia e Tecnologia
Arroz en las Americas
ASCOLFI Informa
Aspects of Applied Biology
Assiut Journal of Agricultural Sciences
Assiut Veterinary Medical Journal
At Source
ATAC, Revista de la Asociación de Técnicos Azucareros de Cuba
Australian & New Zealand Wine Industry Journal
Australian Entomological Magazine
Australian Journal of Agricultural Research
Australian Journal of Ecology
Australian Journal of Experimental Agriculture
Australian Journal of Plant Physiology
Australian Journal of Soil and Water Conservation
Australian Journal of Zoology
Australian Veterinary Journal
Bangladesh Journal of Agricultural Sciences
Bangladesh Journal of Animal Science
Bangladesh Journal of Botany
Bayerisches Landwirtschaftliches Jahrbuch
BCPC Monograph
Beiträge zur Biologie der Pflanzen
Beiträge zur Entomologie

Beiträge zur Tropischen Landwirtschaft und Veterinärmedizin
Berichte des Geobotanischen Institutes der Eidgenossischen Technischen Hochschule, Stiftung Rubel
Berichte über Landwirtschaft
Berichte über Landwirtschaft. Sonderheft
Betteravier (Bruxelles)
Bharatiya Sugar
Biblioteczka wiadomości IMUZ
Bio/Technology
Biochemical and Biophysical Research Communications
Biochemical Pharmacology
Biochemical Systematics and Ecology
Biochemistry and Cell Biology
Biochemistry International
Biochimica et Biophysica Acta, General Subjects
Biocontrol Science and Technology
BioEssays
Biologia Plantarum
Biological Agriculture
Biological Conservation
Biological Control
Biological Journal of the Linnean Society
Biological Wastes
Biologicheskiĭ Zhurnal Armenii
Biologist (London)
Biology and Fertility of Soils
Biološki Vestnik
Biomass and Bioenergy
Biomedical and Environmental Sciences
Biopharm
Bioresource Technology
Bioscience
Bioscience, Biotechnology and Biochemistry
Biotech Forum Europe
Biotechnic & Histochemistry
Biotechnology and Development Monitor
Biotropica
Bioved
Biovigyanam
Biuletyn Instytutu Hodowli i Aklimatyzacji Roślin
Biuletyn Warzywniczy
Blyttia
Bois et Forêts des Tropiques
Boletim de Pesquisa - Empresa Goiana de Pesquisa Agropecuária
Boletim do Museu de Biologia Mello Leitao
Boletín de Sanidad Vegetal, Plagas
Boletín Sanidad Vegetal, Fuera de Serie
Botanica Acta
Botanical Bulletin of Academia Sinica
Botanical Gazette
Botanical Journal of the Linnean Society
Botanicheskiĭ Zhurnal
Bothalia
Bragantia
Brenesia
British Journal of Cancer
British Sugar Beet Review
Brittonia
BSES Bulletin
Buffalo Bulletin
Buletin Penelitian Hutan
Bulletin - Agricultural and Forestry Experiment Station, West Virgina University
Bulletin - Alabama Agricultural Experiment Station
Bulletin - Connecticut Agricultural Experiment Station
Bulletin - Mississippi Agricultural and Forestry Experiment Station
Bulletin - Natural Resources Institute
Bulletin de la Société Botanique de France, Actualités, Botaniques
Bulletin de la Societe Botanique de France, Lettres Botaniques
Bulletin des Recherches Agronomiques de Gembloux
Bulletin OEPP
Bulletin of Agricultural Research in Botswana
Bulletin of Azabu University, Veterinary Medicine
Bulletin of Botanical Research
Bulletin of Entomological Research
Bulletin of Entomology (New Delhi)
Bulletin of Environmental Contamination and Toxicology
Bulletin of Experimental Biology and Medicine
Bulletin of Faculty of Agriculture, University of Cairo
Bulletin of the Agricultural Chemicals Inspection Station, Tokyo
Bulletin of the Institute of Zoology, Academia Sinica
Bulletin of the Kyoto University Forests
Bulletin of the Research Institute for Bioresources, Okayama University
Bulletin of the Tohoku National Agricultural Experiment Station
Bulletin OILB/SROP
Bulletin Technique - Office National des Forêts
Byulleten' Glavnogo Botanicheskogo Sada
Byulleten' Gosudarstvennogo Nikitskogo Botanicheskogo Sada
Byulleten' Moskoskogo Obshchestva Ispytatelei Prirody, Biologicheskii
California Agriculture
Canadian Agricultural Engineering
Canadian Biodiversity
Canadian Entomologist
Canadian Journal of Agricultural Economics
Canadian Journal of Botany
Canadian Journal of Forest Research
Canadian Journal of Microbiology
Canadian Journal of Plant Pathology
Canadian Journal of Plant Science
Canadian Journal of Soil Science
Cancer Research (Baltimore)
CARDI Technical Bulletin - Caribbean Agricultural Research and Development Institute
CEIBA
Cell (Cambridge)
Cell Biology International Reports
Centro Agrícola
Cercetări Agronomice în Moldova
Cereal Research Communications
Ceres (Rome)
Chemical and Pharmaceutical Bulletin
Chemical Regulation of Plants
Chemistry and Industry (London)
Chemistry Express
Chemistry of Natural Compounds
Chemistry of Plant Protection
Chemoecology
Chemosphere
Chest
Chimia
Chimica Oggi
China Environmental Science
Chinese Journal of Applied Ecology
Chinese Journal of Biological Control
Chinese Journal of Ecology (Beijing)
Chinese Journal of Entomology
Chinese Journal of Rice Science
Chmelařství
Chromatographia
Chromosoma
Ciência e Cultura (São Paulo)
Ciencias de la Agricultura
Citrus & Vegetable Magazine
Clinical Toxicology
Coleopterists Bulletin
Combined Proceedings - International Plant Propagators' Society
Comments from Cast
Committee Paper - Sugar Beet Research and Education Committee
Commonwealth Forestry Review
Communicado Técnico - Empresa Goiana de Pesquisa Agropecuaria
Communications in Soil Science and Plant Analysis
Comparative Biochemistry and Physiology. C, Comparative Pharmacology and Toxicology
Components
Comptes Rendus de l'Académie d'Agriculture de France
Comptes Rendus de l'Académie de Sciences. Series 3, Sciences de la Vie
Comptes Rendus des Séances de la Société de Biologie et de ses Filiales
Computer Applications in the Biosciences
Comunicado Técnico - Empresa Goiana de Pesquisa Agropecuaria
Conservation Biology
Contact Dermatitis
Contribuţii Botanice, Universitatea Cluj-Napoca, Grădina Botanică
Coton et Fibres Tropicales
Critical Reviews in Biotechnology
Crop Chemicals Guide
Crop Genetic Resources
Crop Production Science
Crop Protection
Crop Research (Hisar)
Crop Science
Cuba Azucar
Cuban Journal of Agricultural Science
Cultivar (Paris)
Current Biology
Current Research
Current Research - University of Agricultural Sciences (Bangalore)
Current Science
Current Topics in Plant Biochemistry and Physiology
Cytobios
Cytologia
Danish Journal of Plant and Soil Science - Special Series Report
Deltion tes Ellēnikēs Ktēniatrikēs Eteireias = Bulletin of the Hellenic Veterinary Medical Society
Departmental Note - Scottish Centre of Agricultural Engineering
Development Southern Africa
Developmental Biology
Developmental Genetics
Difesa delle Piante
Dissertation Abstracts International. B, Sciences and Engineering
DLG-Mitteilungen Agrar-Inform

DNA Sequence
Documentación e Información - Manejo Integrado de Plagas
Documents Techniques - Institut National de la Recherche Agronomique de Tunisie
Doğa, Turk Botanik Dergisi
Doğa, Türk Tarım ve Ormancı lık Dergisi
Doklady, Biochemistry
Doklady, Botanical Sciences
Down to Earth
DSIR Plant Protection Report
Duta Rimba
Ecological Applications
Ecological Entomology
Ecological Modelling
Ecological Research
Ecology
Ecology of Food and Nutrition
Economic Botany
Ecossistema
Ecotoxicology and Environmental Safety
Ege Üniversitesi Ziraat Fakültesi Dergisi
Egyptian Journal of Agronomy
Egyptian Journal of Comparative Pathology and Clinical Pathology
Eisei Kagaku = Japanese Journal of Toxicology and Environmental Health
Electroanalysis
EMBO Journal
Entomologia Experimentalis et Applicata
Entomologia Generalis
Entomological News
Entomologist's Gazette
Entomon
Entomophaga
Environment and Ecology
Environment International
Environmental and Molecular Mutagenesis
Environmental Entomology
Environmental Health Criteria
Environmental Health Perspectives
Environmental Management and Health
Environmental Monitoring and Assessment
Environmental Pollution
Environmental Research (New York)
Environmental Science & Technology
Environmental Technology
Environmental Toxicology and Chemistry
Environmental Toxicology and Water Quality
Ernährung
Ernstia
Erwerbsobstbau
Etudes Economiques - Economie et Sociologie Rurales/Grignon, Institut National de la Recherche Agronomique
Euphytica
European Journal of Biochemistry
European Polymer Journal
Evironmental Toxicology and Chemistry
Evolution
Evolutionary Biology
Experimental Agriculture
Extension Bulletin - ASPAC, Food & Fertilizer Technology Center
Extension Bulletin - Cooperative Extension, College of Agriculture & Home Economics, Washington State University
Fagopyrum
FAO Plant Production and Protection Paper
FAO Plant Protection Bulletin
Farm Chemicals
Farmers Weekly
FEBS Letters
Feddes Repertorium
Feedstuffs
Feldwirtschaft
FEMS Microbiology Ecology
Fertilizer Marketing News
Field Crops Research
Fitopatologia Colombiana
Fitoterapia
Fiziologiya i Biokhimiya Kul'turnykh Rasteniĭ
Fiziologiya Rasteniĭ
Flavour and Fragrance Journal
Flora (Jena)
Florida Entomologist
Folia Geobotanica et Phytotaxonomia
Folia Horticulturae
Folia Microbiologica
FONAIAP Divulga
Food and Agricultural Immunology
Food and Chemical Toxicology
Food Technology (Chicago)
Förderungsdienst
Forensic Science International
Forest Ecology and Management
Forestry (Oxford)
Forestry Commission Bulletin
Forestry Research Report - Agricultural Experiment Station, University of Illinois
Forschungsberichte - Hessische Forstliche Versuchsanstalt
Forstarchiv
Fourrages
Fragmenta Floristica et Geobotanica
Fresenius Environmental Bulletin
Fresenius' Journal of Analytical Chemistry
Freshwater Biology
FRI Bulletin
Fruit Science Reports
Fruit Varieties Journal
Fujian Agricultural Science and Technology
Functional Ecology
Fundamental and Applied Toxicology
Game Conservancy Review
Garden (London)
Gardens' Bulletin (Singapore)
Gartenbauwissenschaft
Gärtnerbörse Gartenwelt
Gastrointestinal Endoscopy
Gene
Genes & Development
Genetica
Genetica Polonica
Genetics
Genetika (Moskva)
Genome
Geoderma
Georgia Forest Research Paper
Gesunde Pflanzen
Gewasbescherming
GIS Europe
Global Pesticide Campaigner
Grana
Grass and Forage Science
Grassland of China
Great Basin Naturalist
Great Lakes Entomologist
Groundnut News
Handbook - Forestry Commission
Haryana Agricultural University Journal of Research
Haryana Journal of Agronomy
Haustorium
Helia
Herba
Herba Gallica
Herba Hungarica
Hercynia
Hereditas (Landskrona)
Heredity
HGCA Oilseeds Research Review
HGCA Project Report
Highlights of Agricultural Research, Alabama Agricultural Experiment Station
Himachal Journal of Agricultural Research
Horticulture Week
HortScience
HortTechnology
HRC, Journal of High Resolution Chromatography
Human & Experimental Toxicology
Hydrobiologia
IAR Newsletter of Agricultural Research
IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans
IAWA Bulletin
IITA Research
Illinois Research
Immunophamacology and Immunotoxicology
IMPACT AgBioIndustry
In Vitro Cellular and Developmental Biology - Plant
Indian Agriculturist
Indian Farming
Indian Forester
Indian Journal of Agricultural Chemistry
Indian Journal of Agricultural Engineering
Indian Journal of Agricultural Sciences
Indian Journal of Agronomy
Indian Journal of Animal Nutrition
Indian Journal of Animal Sciences
Indian Journal of Applied and Pure Biology
Indian Journal of Dairy Science
Indian Journal of Dryland Agriculture Research and Development
Indian Journal of Ecology
Indian Journal of Entomology
Indian Journal of Experimental Biology
Indian Journal of Malariology
Indian Journal of Medical Research. Section A, Infectious Diseases
Indian Journal of Microbiology

Indian Journal of Plant Physiology
Indian Journal of Pulses Research
Indian Journal of Veterinary Medicine
Indian Journal of Weed Science
Indian Sugar
Indian Veterinary Journal
Indonesian Journal of Tropical Agriculture
Information Report - Newfoundland and Labrador Region, Forestry Canada
Informatore Agrario
Inligtingsbulletin - Navorsingsinstitut vir Sitrus en Subtropiese Vrugte
Insect Knowledge
Insect Science and its Application
International Archives of Allergy and Applied Immunology
International Biodeterioration
International Chickpea Newsletter
International Journal of Biometeorology
International Journal of Crude Drug Research
International Journal of Environmental Analytical Chemistry
International Journal of Epidemiology
International Journal of Pharmacognosy
International Journal of Plant Sciences
International Journal of Tropical Plant Diseases
International Journal of Wildland Fire
International Pest Control
International Rice Research Newsletter
Investigación Agraria, Producción y Protección Vegetales
IPM Practitioner
Iranian Journal of Plant Pathology
Irish Journal of Agricultural and Food Research
Irish Naturalists' Journal
Irrigation and Drainage Systems
Israel Journal of Entomology
ITEA Producción Vegetal
Izvestiya Timiryazevskoĭ Sel'skokhozyaĭstvennoĭ Akademii
Japan Pesticide Information
Japanese Journal of Breeding
Japanese Journal of Genetics
Japanese Journal of Tropical Agriculture
Járművek, Építőipari és Mezőgazdasági Gépek
Jiangsu Agricultural Sciences
JIAS, Journal of the Iowa Academy of Science
Journal - Association of Official Analytical Chemists
Journal de Toxicologie Clinique et Experimentale
Journal of Agricultural and Food Chemistry
Journal of Agricultural Engineering
Journal of Agricultural Engineering Research
Journal of Agricultural Science
Journal of Agricultural Science in Finland
Journal of Agriculture and Food Chemistry
Journal of Agriculture of the University of Puerto Rico
Journal of Agriculture, Western Australia
Journal of Agronomy and Crop Science
Journal of Analytical Chemistry
Journal of Analytical Chemistry of the USSR
Journal of Analytical Toxicology
Journal of Animal Ecology
Journal of Animal Science
Journal of Antibiotics
Journal of Applied Ecology
Journal of Applied Entomology
Journal of Applied Physiology
Journal of Applied Rabbit Research
Journal of Applied Seed Production
Journal of Aquaculture in the Tropics
Journal of Aquatic Plant Management
Journal of Arachnology
Journal of Arid Environments
Journal of Biochemical Toxicology
Journal of Biochemistry (Tokyo)
Journal of Biogeography
Journal of Biological Chemistry
Journal of Biological Education
Journal of Biotechnology
Journal of Chemical Ecology
Journal of Chromatographic Science
Journal of Chromatography
Journal of Chromatography, Biomedical Applications
Journal of Coffee Research
Journal of Ecology (Oxford)
Journal of Economic Entomology
Journal of Entomological Science
Journal of Environmental Biology
Journal of Environmental Engineering
Journal of Environmental Horticulture
Journal of Environmental Management
Journal of Environmental Quality
Journal of Environmental Science and Health. Part A, Environmental Science and Engineering
Journal of Environmental Science and Health. Part B, Pesticides, Food Contaminants, and Agricultural Wastes
Journal of Essential Oil Research
Journal of Ethnopharmacology
Journal of Experimental Botany
Journal of Experimental Marine Biology and Ecology
Journal of Genetics & Breeding
Journal of Horticultural Science
Journal of Hydrology (Amsterdam)
Journal of Insect Physiology
Journal of Insect Science
Journal of Irrigation and Drainage Engineering
Journal of Japanese Botany
Journal of Labelled Compounds and Radiopharmaceuticals
Journal of Liquid Chromatography
Journal of Maharashtra Agricultural Universities
Journal of Mycopathological Research
Journal of Nanjing University, Natural Sciences edition
Journal of Natural Products
Journal of Nematology
Journal of Oilseeds Research
Journal of Pesticide Reform
Journal of Pesticide Science
Journal of Pharmacology and Experimental Therapeutics
Journal of Phytopathology
Journal of Plant Growth Regulation
Journal of Plant Nutrition
Journal of Plant Physiology
Journal of Plant Protection in the Tropics
Journal of Plantation Crops
Journal of Production Agriculture
Journal of Range Management
Journal of Research APAU
Journal of Research, Punjab Agricultural University
Journal of Rural Development (Hyderabad)
Journal of Shanghai Agricultural College
Journal of Soil and Water Conservation
Journal of Soils and Crops
Journal of South China Agricultural University
Journal of Southwest Agricultural University
Journal of Spices and Aromatic Crops
Journal of Sugar Beet Research
Journal of Sustainable Agriculture
Journal of Sustainable Forestry
Journal of the Agricultural Society - University of Wales
Journal of the American Chemical Society
Journal of the American Mosquito Control Association
Journal of the American Society for Horticultural Science
Journal of the Andaman Science Association
Journal of the Assam Science Society
Journal of the Australian Entomological Society
Journal of the Bombay Natural History Society
Journal of the Chemical Society of Pakistan
Journal of the Entomological Society of Southern Africa
Journal of the Faculty of Agriculture, Kyushu University
Journal of the Grassland Society of Southern Africa
Journal of the Institute of Agriculture and Animal Science
Journal of the Institution of Water and Environmental Management
Journal of the Japanese Forestry Society
Journal of the Japanese Society of Agricultural Machinery
Journal of the Korean Society of Food and Nutrition
Journal of the Korean Society of Grassland Science
Journal of the Lepidopterists' Society
Journal of the National Cancer Institute
Journal of the Royal Society of New Zealand
Journal of the Science of Food and Agriculture
Journal of Toxicology and Environmental Health
Journal of Tropical Forest Science
Journal of Vegetation Science
Journal of Weed Science
Journal of Wildlife Management
Journal of Zoo and Wildlife Medicine
Kagawa Daigaku Nogakuba Gakuzyutu Hokoku = Technical Bulletin of the Faculty of Agriculture, Kagawa University
Karnataka Journal of Agricultural Sciences
Kartofel' i Ovoshchi
Kartoffelbau
Kasetsart Journal, Natural Sciences
Kenya Coffee
Kew Bulletin
KFRI Research Report
Khimizatsiya Sel'skogo Khozyaĭstva
Khlopok
Khon Kaen Agriculture Journal
Korean Journal of Animal Sciences
Korean Journal of Applied Entomology
Korean Journal of Crop Science
Korean Journal of Ginseng Science
KTBL-Schrift
Kukuruza i Sorgo
Lancet (British edition)
Landbouwmechanisatie
Landscape Design

Landtechnik
Landwirtschaft Schweiz
Leaflet - Division of Agriculture and Natural Resources, University of California
Lesnícky Časopis
Lesnictví
Lesnoe Khozyaĭstvo
Lesovedenie i Lesnoe Khozyaĭstvo
Leucaena Research Reports
Listy Cukrovarnické a Řepařské
Louisiana Agriculture
Macchine & Motori Agricoli - IMA - Il Trattorista
Madras Agricultural Journal
Madroño
Magyar Állatorvosok Lapja
Magyar Szőlő- és Borgazdaság
Maize Genetics Cooperation Newsletter
Malacological Review
Manejo Integrado de Plagas
Máquinas y Tractores Agrícolas
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Marine Pollution Bulletin
Materiały Sesji Instytutu Ochrony Roślin
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Moscow University Soil Science Bulletin
Mutation Research, Genetic Toxicology Testing
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Mycological Research
Mycopathologia
Mycorrhiza
Mysore Journal of Agricultural Sciences
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Nauchno-Tekhnicheskiĭ Byulleten', RASKhNIL, Sibirskoe Otdelenie.
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Nematologica
Nephrology Dialysis Transplantation
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New Agriculturist
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New Phytologist
New Scientist
New Zealand Journal of Agricultural Research
New Zealand Journal of Botany
New Zealand Journal of Marine and Freshwater Research
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Newsletter - Sugarcane Breeding Institute
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Nippon Nogeikagaku Kaishi
Nippon Shokuhin Kogyo Gakhaishi = Journal of the Japanese Society for Food Science and Technology
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Norme Française
Norsk Veterinærtidsskrift
North Carolina Flower Growers' Bulletin
North Dakota Farm Research
Northwest Environmental Journal
Northwest Science
Norwegian Journal of Agricultural Sciences
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Növénytermelés
Növényvédelem
Novon
Nucleic Acids Research
Nucleus (Karachi)
Occasional Paper - Fuelwood Development for Energy in Sudan
ODI/IMMI Irrigation Management Network Paper
Oecologia
Oikos
Oléagineux (Paris)
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Oryza
Outlook on Agriculture
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PE&RS, Photogrammetric Engineering & Remote Sensing
Peanut Science
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Pennsylvania Fruit News
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Photosynthetica
Physiologia Plantarum
Physiological and Molecular Plant Pathology
Phytochemistry
Phytoma
Phyton (Buenos Aires)
Phytoparasitica
Phytopathologia Mediterranea
Phytopathology
Phytophylactica
Phytoprotection
PKV Research Journal
Plant and Cell Physiology
Plant and Soil
Plant Breeding
Plant Breeding Abstracts
Plant Cell
Plant Cell Reports
Plant Cell, Tissue and Organ Culture
Plant Disease
Plant Disease Research
Plant Genetic Resources Newsletter
Plant Journal
Plant Molecular Biology
Plant Pathology
Plant Physiology
Plant Physiology and Biochemistry (Paris)
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Plant Protection Quarterly
Plant Science (Limerick)
Plant Systematics and Evolution
Plant Varieties & Seeds
Plant, Cell and Environment
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Planter
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Polskie Pismo Entomologiczne
Pomme de Terre Française
Prace Komisji Nauk Rolniczych i Komisji Nauk Leśnych

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Preslia
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Proceedings of the Florida State Horticultural Society
Proceedings of the Hawaiian Entomological Society
Proceedings of the Kansai Plant Protection Society
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Proceedings of the National Academy of Sciences, India. Part B.
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Proceedings of the New Zealand Grassland Association
Proceedings of the Royal Society of Edinburgh. Section B, Biological Sciences
Proceedings of the Royal Society of Queensland
Progrès Agricole et Viticole
Progress in Histochemistry and Cytochemistry
Progress Report - Texas Agricultural Experiment Station
Protoplasma
PSP Pflanzenschutz Praxis
Publikatie - Proefstation voor de Akkerbouw en de Groenteteelt in de Vollegrond, Lelystad
Rachis
RAFI Communique
Rangelands
Rapport - DLO Staring Centre, Wageningen
Rapporter från Jordbearbetningsavdelningen
Rasteniev'dni Nauki
RCMP Research Monograph Series
Report - Alberta Land Conservation and Reclamation Council
Report - Cucurbit Genetics Cooperative
Report - Northern Region, USDA Forest Service
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Report of the Tokai Branch of the Crop Science Society of Japan
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Research Note - Division of Forest Research (Kitwe)
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Research Report - Mississippi Agricultural and Forestry Experiment Station
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Research Reports of the Rural Development Administration, Rice
Research Reports of the Rural Development Administration, Soil & Fertilizer
Research Reports of the Rural Development Administration, Upland & Industrial Crops
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Revista de la Facultad de Agronomia, Universidad del Zulia
Revista de la Facultad de Argentina (La Plata)
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Revista Mexicana de Fitopatología
Revue Agricole et Sucrière de l'Île Maurice
Revue de l'Agriculture
Revue de Médecine Vétérinaire
Revue des Sciences de l'Eau
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Sbornik UVTIZ, Potravinarske Vedy
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Semenarstvo
Sexual Plant Reproduction
Shade Tree
Simiente
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SISSTA Sugar Journal
Soil & Tillage Research
Soil Biology & Biochemistry
Soil Science
Soil Science and Plant Nutrition
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South African Journal for Enology and Viticulture
South African Journal of Botany
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Vedecké Práce Ústavu Závlahového Hospodárstva
Vedecké Práce Výskumného Ústavu Lúk a Pasienkov v Banskej Bystrici
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List of common names and abbreviations employed for currently used herbicides in *Weed Abstracts*

Unmarked names are those approved by the International Organization for Standardization (ISO)
An asterisk (*) signifies approval by the British Standards Institution (BSI)
A dagger (†) signifies approval by the Weed Science Society of America (WSSA) or ANSI
A plus (+) signifies trivial or unofficial names

acetochlor	2-chloro-*N*-ethoxymethyl-6′-ethylacet-*o*-toluidide
acifluorfen	5-(2-chloro-α,α,α-trifluoro-*p*-tolyloxy)-2-nitrobenzoic acid
aclonifen	2-chloro-6-nitro-3-phenoxyaniline
acrolein*	acrylaldehyde
alachlor	α-chloro-2′,6′-diethyl-*N*-methoxymethylacetanilide
allidochlor	*N,N*-diallyl-2-chloroacetamide
alloxydim	methyl (*E*-(*RS*)-3-[1-(-allyloxyimino)butyl]-4-hydroxy-6,6-dimethyl-2-oxocyclohex-3-enecarboxylate
ametridione	1-amino-6-ethylthio-3-neopentyl-1,3,5-triazine-2,4(1*H*,3*H*)-dione
ametryn	N^2-ethyl-N^4-isopropyl-6-methylthio-1,3,5-triazine-2,4-diamine
amibuzin	6-*tert*-butyl-3-dimethylamino-4-methyl-1,2,4-triazin-5(4*H*)-one
amidosulfuron	1-(4,6-dimethoxypyrimidin-2-yl)-3-mesyl(methyl)sulfamoylurea
amiprofos-methyl	*O*-methyl *O*-2-nitro-*p*-tolyl isopropylphosphoramidothioate
amitrole	3-amino-1*H*-1,2,4-triazole
anilofos	*S*-4-chloro-*N*-isopropylcarbaniloylmethyl *O,O*-dimethyl phosphorodithioate
asulam	methyl 4-aminophenylsulfonylcarbamate
atraton	N^2-ethyl-N^4-isopropyl-6-methoxy-1,3,5-triazine-2,4-diamine
atrazine	6-chloro-N^2-ethyl-N^4-isopropyl-1,3,5-triazine-2,4-diamine
aziprotryne	4-azido-*N*-isopropyl-6-methylthio-1,3,5-triazin-2-ylamine
barban	4-chlorobut-2-ynyl 3-chlorocarbanilate
benazolin	4-chloro-2,3-dihydro-2-oxo-1,3-benzothiazol-3-ylacetic acid
benfluralin	*N*-butyl-*N*-ethyl-α,α,α-trifluoro-2,6-dinitro-*p*-toluidine
benfuresate	2,3-dihydro-3,3-dimethylbenzofuran-5-yl ethanesulfonate
bensulfuron	α-(4,6-dimethoxypyrimidin-2-ylcarbamoylsulfamoyl)-*o*-toluic acid
bensulide	*O,O*-di-isopropyl *S*-2-phenylsulfonylaminoethyl phosphorodithioate
bentazone	3-isopropyl-1*H*-2,1,3-benzothiadiazin-4-(3*H*)-one 2,2-dioxide
benzadox*	benzamido-oxyacetic acid
benzipram	*N*-benzyl-*N*-isopropyl-3,5-dimethylbenzamide
benzofenap	2-[4-(2,4-dichloro-*m*-toluoyl)-1,3-dimethylpyrazol-5-yloxy]-4′-methylacetophenone
benzoylprop	*N*-benzoyl-*N*-(3,4-dichlorophenyl)-DL-alanine
benzthiazuron	1-benzothiazol-2-yl-3-methylurea
bifenox	methyl 5-(2,4-dichlorophenoxy)-2-nitrobenzoate
bilanafos	4-[hydroxy(methyl)phosphinoyl]-L-homoalanyl-L-alanyl-L-alanine
bromacil	5-bromo-3-*sec*-butyl-6-methyluracil
bromobutide	2-bromo-*N*-(α,α-dimethylbenzyl)-3,3-dimethylbutyramide
bromofenoxim	3,5-dibromo-4-hydroxybenzaldehyde 2,4-dinitrophenyloxime
bromoxynil	3,5-dibromo-4-hydroxybenzonitrile
butachlor	*N*-butoxymethyl-α-chloro-2′,6′-diethylacetanilide
butamifos	*O*-ethyl *O*-6-nitro-*m*-tolyl *sec*-butylphosphoramidothioate
butenachlor	(Z)-*N*-but-2-enyloxymethyl-2-chloro-2′,6′-diethylacetanilide
buthidazole	3-(5-*tert*-butyl-1,3,4-thiadiazol-2-yl)-4-hydroxy-1-methyl-2-imidazolidone
buthiuron	1-(5-butylsulfonyl-1,3,4-thiadiazol-2-yl)-1,3-dimethylurea
butralin	*N*-*sec*-butyl-4-*tert*-butyl-2,6-dinitroaniline
buturon	3-(4-chlorophenyl)-1-methyl-1-(1-methylprop-2-ynyl) urea
butylate	*S*-ethyl di-isobutylthiocarbamate
cambendichlor	2,2′-(phenylimino)diethylene bis(3,6-dichloro-*o*-anisate)
carbetamide	(*R*)-1-(ethylcarbamoyl)ethyl carbanilate
chlomethoxyfen	5-(2,4-dichlorophenoxy)-2-nitroanisole
chloramben	3-amino-2,5-dichlorobenzoic acid
chloranocryl	3′,4′-dichloro-2-methylacrylanilide
chlorazifop	(±)-2-[4-(3,5-dichloro-2-pyridyloxy)phenoxy]propionic acid
chlorbromuron	3-(4-bromo-3-chlorophenyl)-1-methoxy-1-methylurea
chlorbufam	1-methylprop-2-ynyl 3-chlorophenylcarbamate
chloreturon	3-(3-chloro-4-ethoxyphenyl)-1,1-dimethylurea
chlorfenac	(2,3,6-trichlorophenyl)acetic acid
chlorfenprop	(±)-2-chloro-3-(4-chlorophenyl)propionic acid
chlorflurenol	2-chloro-9-hydroxyfluorene-9-carboxylic acid
chloridazon	5-amino-4-chloro-2-phenylpyridazin-3(2*H*)-one
chlorimuron	2-(4-chloro-6-methoxypyrimidin-2-ylcarbamoylsulfamoyl)benzoic acid
chlornitrofen	4-nitrophenyl 2,4,6-trichlorophenyl ether
chlorotoluron	3-(3-chloro-*p*-tolyl)-1,1-dimethylurea
chloroxuron	3-[4-(4-chlorophenoxy)phenyl]-1,1-dimethylurea
chlorpropham	isopropyl 3-chlorocarbanilate
chlorsulfuron	1-(2-chlorophenylsulfonyl)-3-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)urea
chlorthal-dimethyl	dimethyl tetrachloroterephthalate
chlorthiamid	2,6-dichlorothiobenzamide
cinmethylin	(1*RS*,2*SR*,4*SR*)-1,4-epoxy-*p*-menth-2-yl 2-methylbenzyl ether
cinosulfuron	1-(4,6-dimethoxy-1,3,5-triazin-2-yl)-3-[2-(2-methoxyethoxy)phenylsulfonyl]urea
cisanilide†	2,5-dimethyl-1-pyrrolidinecarboxanilide
clethodim	(±)-2-[(*E*)-1-[(*E*)-3-chloroallyloxyimino]propyl]-5-[2-(ethylthio)propyl]-3-hydroxycyclohex-2-enone
cliodinate	2-chloro-3,5-di-iodo-4-pyridyl acetate
clomazone	2-(2-chlorobenzyl)-4,4-dimethyl-1,2-oxazolidin-3-one
clomeprop	(*RS*)-2-(2,4-dichloro-*m*-tolyloxy)propionanilide

cloproxydim	(±)-2-[1-(3-chloroallyloxy)iminobutyl]-5-(2-ethylthiopropyl)-3-hydroxycyclohex-2-enone
clopyralid	3,6-dichloropyridine-2-carboxylic acid
cyanatryn	2-(4-ethylamino-6-methylthio-1,3,5-triazin-2-ylamino)-2-methylpropionitrile
cyanazine	2-(4-chloro-6-ethylamino-1,3,5-triazin-2-ylamino)-2-methylpropionitrile
cycloate	*S*-ethyl cyclohexyl(ethyl)thiocarbamate
cycloxydim	(±)-2-[1-(ethoxyimino)butyl]-3-hydroxy-5-thian-3-ylcyclohex-2-enone
cycluron	3-cyclo-octyl-1,1-dimethylurea
cyperquat	1-methyl-4-phenylpyridinium
cyprazine	6-chloro-N^2-cyclopropyl-N^4-isopropyl-1,3,5-triazine-2,4-diamine
cyprazole	*N*-[5-(2-chloro-1,1-dimethylethyl)-1,3,4-thiadiazol-2-yl]cyclopropanecarboxamide
cypromid	3′,4′-dichlorocyclopropanecarboxanilide
2,4-D	(2,4-dichlorophenoxy)acetic acid
daimuron	1-(1-methyl-1-phenylethyl)-3-*p*-tolylurea
dalapon	2,2-dichloropropionic acid
2,4-DB	4-(2,4-dichlorophenoxy)butyric acid
delachlor	2-chloro-*N*-(isobutoxymethyl)acet-2′,6′-xylidide
desmedipham	3-ethoxycarbonylaminophenyl phenylcarbamate
desmetryn	N^2-isopropyl-N^4-methyl-6-methylthio-1,3,5-triazine-2,4-diamine
di-allate	*S*-2,3-dichloroallyl di-isopropyl(thiocarbamate)
dicamba	3,6-dichloro-*o*-anisic acid
dichlobenil	2,6-dichlorobenzonitrile
dichloralurea	1,3-bis(2,2,2-trichloro-1-hydroxyethyl)urea
dichlormate	3,4-dichlorobenzyl methylcarbamate
dichlorprop	(*RS*)-2-(2,4-dichlorophenoxy)propionic acid
dichlorprop-P	(*R*)-2-(2,4-dichlorophenoxy)propionic acid
diclofop	(*RS*)-2-[4-(2,4-dichlorophenoxy)phenoxy]propionic acid
diethamquat	1,1′-bis(diethylcarbamoylmethyl)-4,4′-bipyridyl-1,1′-diylium
diethatyl	*N*-chloroacetyl-*N*-(2,6-diethylphenyl)glycine
difenopenten	(*E*)-(±)-4-[4-(α,α,α-trifluoro-*p*-tolyloxy)phenoxy]pent-2-enoic acid
difenoxuron	3-[4-(4-methoxyphenoxy)phenyl]-1,1-dimethylurea
difenzoquat	1,2-dimethyl-3,5-diphenylpyrazolium
diflufenican	2′,4′-difluoro-2-(α,α,α-trifluoro-*m*-tolyloxy)nicotinanilide
dimefuron	3-[4-(5-*tert*-butyl-2,3-dihydro-2-oxo-1,3,4-oxadiazol-3-yl)-3-chlorophenyl]-1,1-dimethylurea
dimepiperate	*S*-1-methyl-1-phenylethyl piperidine-1-carbothioate
dimethachlor	2-chloro-*N*-(2-methoxyethyl)acet-2′,6′-xylidide
dimethametryn	N^2-(1,2-dimethylpropyl)-N^4-ethyl-6-methylthio-1,3,5-triazine-2,4-diamine
dimexano	*O*,*O*-diethyl dithiobis(thioformate)
dimidazon	4,5-dimethoxy-2-phenylpyridazin-3(2*H*)-one
dinitramine	N^1,N^1-diethyl-2,6-dinitro-4-trifluoromethyl-*m*-phenylenediamine
dinoseb	2-*sec*-butyl-4,6-dinitrophenol
dinoterb	2-*tert*-butyl-4,6-dinitrophenol
diphenamid	*N*,*N*-dimethyldiphenylacetamide
dipropetryn	6-ethylthio-N^2,N^4-di-isopropyl-1,3,5-triazine-2,4-diamine
diquat	9,10-dihydro-8a,10a-diazoniaphenanthrene
disul	2-(2,4-dichlorophenoxy)ethyl hydrogen sulfate
dithiopyr	*S*,*S*′-dimethyl 2-difluoromethyl-4-isobutyl-6-trifluoromethylpyridine-3,5-dicarbothioate
diuron	3-(3,4-dichlorophenyl)-1,1-dimethylurea
DNOC	4,6-dinitro-*o*-cresol
DSMA†	disodium methylarsonate
eglinazine	*N*-(4-chloro-6-ethylamino-1,3,5-triazin-2-yl)glycine
endothal*	7-oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid
epronaz	1-(*N*-ethyl-*N*-propylcarbamoyl)-3-propylsulfonyl-1*H*-1,2,4-triazole
EPTC	*S*-ethyl dipropylthiocarbamate
erbon	2-(2,4,5-trichlorophenoxy)ethyl 2,2-dichloropropionate
esprocarb	*S*-benzyl 1,2-dimethylpropyl(ethyl)thiocarbamate
ethalfluralin	*N*-ethyl-α,α,α-trifluoro-*N*-(2-methylallyl)-2,6-dinitro-*p*-toluidine
ethametsulfuron	2-(4-ethoxy-6-methylamino-1,3,5-triazin-2-ylcarbamoylsulfamoyl)benzoic acid
ethidimuron	1-(5-ethylsulfonyl-1,3,4-thiadiazol-2-yl)-1,3-dimethylurea
ethiolate	*S*-ethyl diethylthiocarbamate
ethofumesate	(±)-2-ethoxy-2,3-dihydro-3,3-dimethylbenzofuran-5-yl methanesulfonate
etnipromid	(*RS*)-2-[5-(2,4-dichlorophenoxy)-2-nitrophenoxy]-*N*-ethylpropionamide
fenasulam	methyl 4-[2-(4-chloro-*o*-tolyloxy)acetamido]phenylsulfonylcarbamate
fenoprop	(±)-2-(2,4,5-trichlorophenoxy)propionic acid
fenoxaprop	(±)-2-[4-(6-chloro-1,3-benzoxazol-2-yloxy)phenoxyl]propionic acid
fenoxaprop-P	(*R*)-2-[4-(6-chloro-1,3-benzoxazol-2-yloxy)phenoxyl]propionic acid
fenteracol	2-(2,4,5-trichlorophenoxy)ethanol
fenthiaprop	(±)-2-[4-(6-chloro-1,3-benzothiazol-2-yloxy)phenoxy]propionic acid
fenuron	1,1-dimethyl-3-phenylurea
flamprop	*N*-benzoyl-*N*-(3-chloro-4-fluorophenyl)-DL-alanine
flamprop-M	*N*-benzoyl-*N*-(3-chloro-4-fluorophenyl)-D-alanine
flazasulfuron	1-(4,6-dimethoxypyrimidin-2-yl)-3-(3-trifluoromethyl-2-pyridylsulfonyl)urea
fluazifop	(*RS*)-2-[4-(5-trifluoromethyl-2-pyridyloxy)phenoxy]propionic acid
fluazifop-P	(*R*)-2-[4-(5-trifluoromethyl-2-pyridyloxy)phenoxy]propionic acid
fluchloralin	*N*-(2-chloroethyl)-2,6-dinitro-*N*-propyl-4-(trifluoromethyl)aniline
flufenican	2-(α,α,α-trifluoro-*m*-tolyloxy)nicotinanilide
flumipropyn	(±)-*N*-[4-chloro-2-fluoro-5-(1-methylprop-2-ynyloxy)phenyl]cyclohex-1-ene-1,2-dicarboximide
fluometuron	1,1-dimethyl-3-(α,α,α-trifluoro-*m*-tolyl)urea
fluorodifen	4-nitrophenyl α,α,α-trifluoro-2-nitro-*p*-tolyl ether
fluoroglycofen	*O*-[5-(2-chloro-α,α,α-trifluoro-*p*-tolyloxy)-2-nitrobenzoyl]glycolic acid
fluoromidine	6-chloro-2-trifluoromethyl-3*H*-imidazo[4,5-*b*]pyridine
fluoronitrofen	2,4-dichloro-6-fluorophenyl 4-nitrophenyl ether

fluothiuron	3-[3-chloro-4-(chlorodifluoromethylthio)phenyl]-1,1-dimethylurea
flupoxam	1-[4-chloro-α-(2,2,3,3,3-pentafluoropropoxy)-*m*-tolyl]-5-phenyl-1*H*-1,2,4-triazole-3-carboxamide
flupropanate	2,2,3,3-tetrafluoropropionic acid
flurenol	9-hydroxyfluorene-9-carboxylic acid
fluridone	1-methyl-3-phenyl-5-(α,α,α-trifluoro-*m*-tolyl)-4-pyridone
flurochloridone	(3*RS*,4*RS*;3*RS*,4*SR*)-3-chloro-4-chloromethyl-1-(α,α,α-trifluoro-*m*-tolyl)-2-pyrrolidone
fluroxypyr	4-amino-3,5-dichloro-6-fluoro-2-pyridyloxyacetic acid
flurtamone	(*RS*)-5-methylamino-2-phenyl-4-(α,α,α-trifluoro-*m*-tolyl)furan-3(2*H*)-one
fomesafen	5-(2-chloro-α,α,α-trifluoro-*p*-tolyloxy)-*N*-methylsulfonyl-2-nitrobenzamide
fosamine	ethyl hydrogen carbamoylphosphonate
furyloxyfen	(±)-5-(2-chloro-α,α,α-trifluoro-*p*-tolyloxy)-2-nitrophenyl tetrahydro-3-furyl ether
glufosinate	DL-homoalanin-4-yl(methyl)phosphinic acid
glyphosate	*N*-(phosphonomethyl)glycine
halosafen	5-(2-chloro-α,α,α,6-tetrafluoro-*p*-tolyloxy)-*N*-ethylsulfonyl-2-nitrobenzamide
haloxydine	3,5-dichloro-2,6-difluoropyridin-4-ol
haloxyfop	(*RS*)-2-[4-(3-chloro-5-trifluoromethyl-2-pyridyloxy)phenoxy]propionic acid
hexaflurate†	potassium hexafluoroarsenate
hexazinone	3-cyclohexyl-6-dimethylamino-1-methyl-1,3,5-triazine-2,4-(1*H*,3*H*)-dione
imazamethabenz	(±)-6-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)-*m*-toluic acid, and (±)-2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)-*p*-toluic acid
imazapyr	2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)nicotinic acid
imazaquin	(*RS*)-2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)quinoline-3-carboxylic acid
imazethapyr	(*RS*)-5-ethyl-2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)nicotinic acid
imazosulfuron	1-(2-chloroimidazo[1,2-*a*]pyridin-3-ylsulfonyl)-3-(4,6-dimethoxypyrimidin-2-yl)urea
ioxynil	4-hydroxy-3,5-di-iodobenzonitrile
isocarbamid	*N*-isobutyl-2-oxoimidazolidine-1-carboxamide
isomethiozin	6-*tert*-butyl-4-isobutylideneamino-3-methylthio-1,2,4-triazin-5(4*H*)-one
isopolinate	*S*-isopropyl perhydroazepine-1-carbothioate
isopropalin	4-isopropyl-2,6-dinitro-*N*,*N*-dipropylaniline
isoproturon	3-(4-isopropylphenyl)-1,1-dimethylurea
isouron	3-(5-*tert*-butylisoxazol-3-yl)-1,1-dimethylurea
isoxaben	*N*-[3-(1-ethyl-1-methylpropyl)isoxazol-5-yl]-2,6-dimethoxybenzamide
isoxapyrifop	(*RS*)-2-[2-[4-(3,5-dichloro-2-pyridyloxy)phenoxy]propionyl]-1,2-oxazolidine
karbutilate	3-(3,3-dimethylureido)phenyl *tert*-butylcarbamate
lactofen	ethyl *O*-[5-(2-chloro-α,α,α-trifluoro-*p*-tolyloxy)-2-nitrobenzoyl]-DL-lactate
lenacil	3-cyclohexyl-1,5,6,7-tetrahydrocyclopentapyrimidine-2,4(3*H*)-dione
linuron	3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea
MAMA†	ammonium hydrogen methylarsonate
MCPA	4-chloro-*o*-tolyloxyacetic acid
MCPB	4-(4-chloro-*o*-tolyloxy)butyric acid
mecoprop	(*RS*)-2-(4-chloro-*o*-tolyloxy)propionic acid
mecoprop-P	(*R*)-2-(4-chloro-*o*-tolyloxy)propionic acid
medinoterb	6-*tert*-butyl-2,4-dinitro-*m*-cresol
mefenacet	2-(1,3-benzothiazol-2-yloxy)-*N*-methylacetanilide
mefluidide	5′-(1,1,1-trifluoromethanesulfonamido)acet-2′,4′-xylidide
metamitron	4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4*H*)-one
metazachlor	2-chloro-*N*-(pyrazol-1-ylmethyl)acet-2′,6′-xylidide
metflurazon	4-chloro-5-dimethylamino-2-(α,a,α-trifluoro-*m*-tolyl)pyridazin-3(2*H*)-one
methabenzthiazuron	1-benzothiazol-2-yl-1,3-dimethylurea
methalpropalin	α,α,α-trifluoro-*N*-(2-methylallyl)-2,6-dinitro-*N*-propyl-*p*-toluidine
methazole*	2-(3,4-dichlorophenyl)-4-methyl-1,2,4-oxadiazolidine-3,5-dione
methiobencarb	*S*-4-methoxybenzyl diethylthiocarbamate
methometon	6-methoxy-N^2,N^4-bis(3-methoxypropyl)-1,3,5-triazine-2,4-diamine
methoprotryne	N^2-isopropyl-N^4-(3-methoxypropyl)-6-methylthio-1,3,5-triazine-2,4-diamine
metobenzuron	(±)-1-methoxy-3-[4-(2-methoxy-2,4,4-trimethylchroman-7-yloxy)phenyl]-1-methylurea
metobromuron	3-(4-bromophenyl)-1-methoxy-1-methylurea
metolachlor	2-chloro-6′-ethyl-*N*-(2-methoxy-1-methylethyl)acet-*o*-toluidide
metoxuron	3-(3-chloro-4-methoxyphenyl)-1,1-dimethylurea
metribuzin	4-amino-6-*tert*-butyl-3-methylthio-1,2,4-triazin-5(4*H*)-one
metsulfuron	2-(4-methoxy-6-methyl-1,3,5-triazin-2-ylcarbamoylsulfamoyl)benzoic acid
molinate	*S*-ethyl perhydroazepine-1-thiocarboxylate
monalide	4′-chloro-2,2-dimethylvaleranilide
monisouron	1-(5-*tert*-butylisoxazol-3-yl)-3-methylurea
monolinuron	3-(4-chlorophenyl)-1-methoxy-1-methylurea
monuron	3-(4-chlorophenyl)-1,1-dimethylurea
morfamquat	1,1′-bis(3,5-dimethylmorpholinocarbonylmethyl)-4,4′-bipyridyldiylium
MSMA†	sodium hydrogen methylarsonate
napropamide	(*RS*)-*N*,*N*-diethyl-2-(1-naphthyloxy)propionamide
naptalam	*N*-1-naphthylphthalamic acid
neburon	1-butyl-3-(3,4-dichlorophenyl)-1-methylurea
nicosulfuron	1-(4,6-dimethoxypyrimidin-2-yl)-3-(3-dimethylcarbamoyl-2-pyridylsulfonyl)urea
nipyraclofen	1-(2,6-dichloro-α,α,α-trifluoro-*p*-tolyl)-4-nitropyrazol-5-ylamine
nitralin	4-methylsulfonyl-2,6-dinitro-*N*,*N*-dipropylaniline
nitrofen	2,4-dichlorophenyl 4-nitrophenyl ether
nitrofluorfen	2-chloro-α,α,α-trifluoro-*p*-tolyl 4-nitrophenyl ether
norflurazon	4-chloro-5-methylamino-2-(α,α,α-trifluoro-*m*-tolyl)pyridazin-3(2*H*)-one
noruron	3-(hexahydro-4,7-methanoindan-5-yl)-1,1-dimethylurea
orbencarb	*S*-2-chlorobenzyl diethylthiocarbamate
oryzalin	3,5-dinitro-N^4,N^4-dipropylsulfanilamide
oxadiazon	5-*tert*-butyl-3-(2,4-dichloro-5-isopropoxyphenyl)-1,3,4-oxadiazol-2(3*H*)-one
oxyfluorfen	2-chloro-α,α,α-trifluoro-*p*-tolyl 3-ethoxy-4-nitrophenyl ether

paraquat	1,1′-dimethyl-4,4′-bipyridinium
pebulate	*S*-propyl butyl(ethyl)thiocarbamate
pendimethalin	*N*-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine
pentachlorophenol	sodium pentachlorophenate
pentanochlor	*N*-(3-chloro-*p*-tolyl)-2-methylvaleramide
perfluidone	1,1,1-trifluoro-*N*(4-phenylsulfonyl-*o*-tolyl)methanesulfonamide
phenisopham	3-(isopropoxycarbonylamino)phenyl *N*-ethylcarbanilate
phenmedipham	3-methoxycarbonylaminophenyl 3′-methylcarbanilate
phenmedipham-ethyl	3-ethoxycarbonylaminophenyl 3′-methylcarbanilate
phenobenzuron	1-benzoyl-1-(3,4-dichlorophenyl)-3,3-dimethylurea
picloram	4-amino-3,5,6-trichloropicolinic acid
piperophos	*S*-2-methylpiperidinocarbonylmethyl *O,O*-dipropyl phosphorodithioate
pretilachlor	2-chloro-2′,6′-diethyl-*N*-(2-propoxyethyl)acetanilide
primisulfuron	2-[4,6-bis(difluoromethoxy)pyrimidin-2-ylcarbamoylsulfamoyl]benzoic acid
procyazine	2-(4-chloro-6-cyclopropylamino-1,3,5-triazin-2-ylamino)-2-methylpropionitrile
prodiamine	2,6-dinitro-N^1,N^1-dipropyl-4-trifluoromethyl-*m*-phenylenediamine
profluralin	*N*-(cyclopropylmethyl)-α,α,α-trifluoro-2,6-dinitro-*N*-propyl-*p*-toluidine
proglinazine	*N*-(4-chloro-6-isopropylamino-1,3,5-triazin-2-yl)glycine
prometon	N^2,N^4-di-isopropyl-6-methoxy-1,3,5-triazine-2,4-diamine
prometryn	N^2,N^4-di-isopropyl-6-methylthio-1,3,5-triazine-2,4-diamine
propachlor	α-chloro-*N*-isopropylacetanilide
propanil	3′,4′-dichloropropionanilide
propaquizafop	2-isopropylideneamino-oxyethyl (*R*)-2-[4-(6-chloroquinoxalin-2-yloxy)phenoxy]propionate
propazine	6-chloro-N^2,N^4-di-isopropyl-1,3,5-triazine-2,4-diamine
propham	isopropyl phenylcarbamate
propyzamide	3,5-dichloro-*N*-(1,1-dimethylpropynyl)benzamide
prosulfalin	*N*-(4-dipropylamino-3,5-dinitrophenylsulfonyl)-*S,S*-dimethylsulfimide
prosulfocarb	*S*-benzyl dipropylthiocarbamate
prynachlor	2-chloro-*N*-(1-methylprop-2-ynyl)acetanilide
pyrazolynate	4-(2,4-dichlorobenzoyl)-1,3-dimethylpyrazol-5-yl toluene-4-sulfonate
pyrazosulfuron	5-(4,6-dimethoxypyrimidin-2-ylcarbamoylsulfamoyl)-1-methylpyrazole-4-carboxylic acid
pyrazoxyfen	2-[4-(2,4-dichlorobenzoyl)-1,3-dimethylpyrazol-5-yloxy]acetophenone
pyributicarb	*O*-3-*tert*-butylphenyl 6-methoxy-2-pyridyl(methyl)thiocarbamate
pyridate	6-chloro-3-phenylpyridazin-4-yl *S*-octyl thiocarbonate
quinclorac	3,7-dichloroquinoline-8-carboxylic acid
quinmerac	7-chloro-3-methylquinoline-8-carboxylic acid
quinoclamine	2-amino-3-chloro-1,4-naphthoquinone
quinonamid	2,2-dichloro-*N*-(3-chloro-1,4-naphthoquinon-2-yl)acetamide
quizalofop	(*RS*)-2-[4-(6-chloroquinoxalin-2-yloxy)phenoxy]propionic acid
quizalofop-P	(*R*)-2-[4-(6-chloroquinoxalin-2-yloxy)phenoxy]propionic acid
sebuthylazine	N^2-*sec*-butyl-6-chloro-N^4-ethyl-1,3,5-triazine-2,4-diamine
secbumeton	N^2-*sec*-butyl-N^4-ethyl-6-methoxy-1,3,5-triazine-2,4-diamine
sethoxydim	(±)-(*EZ*)-2-(1-ethoxyiminobutyl)-5-[2-(ethylthio)propyl]-3-hydroxycyclohex-2-enone
siduron	1-(2-methylcyclohexyl)-3-phenylurea
simazine	6-chloro-N^2,N^4-diethyl-1,3,5-triazine-2,4-diamine
simetryn	2,4-bis(ethylamino)-6-methylthio-1,3,5-triazine
SMA+	sodium monochloroacetate
sulfallate	2-chloroally diethyldithiocarbamate
sulfometuron	2-[3-(4,6-dimethylpyrimidin-2-yl)ureidosulfonyl]benzoic acid
sulglycapin	azepan-1-ylcarbonylmethyl methylsulfamate
swep†	methyl 3,4-dichlorocarbanilate
2,4,5-T	(2,4,5-trichlorophenoxy)acetic acid
2,4,5-TB	4-(2,4,5-trichlorophenoxy)butyric acid
2,3,6-TBA	2,3,6-trichlorobenzoic acid
TCA	trichloroacetic acid
tebutam	*N*-benzyl-*N*-isopropylpivalamide
tebuthiuron	1-(5-*tert*-butyl-1,3,4-thiadiazol-2-yl)-1,3-dimethylurea
terbacil	3-*tert*-butyl-5-chloro-6-methyluracil
terbucarb	2,6-di-*tert*-butyl-*p*-tolyl methylcarbamate
terbuchlor	*N*-butoxymethyl-6′-*tert*-butyl-2-chloroacet-*o*-toluidide
terbumeton	N^2-*tert*-butyl-N^4-ethyl-6-methoxy-1,3,5-triazine-2,4-diamine
terbuthylazine	N^2-*tert*-butyl-6-chloro-N^4-ethyl-1,3,5-triazine-2,4-diamine
terbutryn	N^2-*tert*-butyl-N^4-ethyl-6-methylthio-1,3,5-triazine-2,4-diamine
tetrafluron	1,1-dimethyl-3-[3-(1,1,2,2-tetrafluoroethoxy)phenyl]urea
thiazafluron	1,3-dimethyl-1-(5-trifluoromethyl-1,3,4-thiadiazol-2-yl)urea
thifensulfuron	3-(4-methoxy-6-methyl-1,3,5-triazin-2-ylcarbamoylsulfamoyl)thiophen-2-carboxylic acid
thiobencarb	*S*-4-chlorobenzyl diethylthiocarbamate
tiocarbazil	*S*-benzyl di-*sec*-butylthiocarbamate
tralkoxydim	2-[1-(ethoxyimino)propyl]-3-hydroxy-5-mesitylcyclohex-2-enone
tri-allate	*S*-2,3,3-trichloroallyl di-isopropyl(thiocarbamate)
triasulfuron	1-[2-(2-chloroethoxy)phenylsulfonyl]-3-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)urea
tribenuron	2-[4-methoxy-6-methyl-1,3,5-triazin-2-yl(methyl)carbamoylsulfamoyl]benzoic acid
triclopyr	3,5,6-trichloro-2-pyridyloxyacetic acid
tridiphane	(*RS*)-2-(3,5-dichlorophenyl)-2-(2,2,2-trichloroethyl)oxirane
trietazine	6-chloro-N^2,N^2,N^4-triethyl-1,3,5-triazine-2,4-diamine
trifluralin	α,α,α-trifluoro-2,6-dinitro-*N,N*-dipropyl-*p*-toluidine
trifop	(*RS*)-2-[4-(α,α,α-trifluoro-*p*-tolyloxy)phenoxy]propionic acid
trifopsime	acetone (*R*)-*O*-[2-[4-(α,α,α-trifluoro-*p*-tolyloxy)phenoxy]propionyl]oxime
trimeturon*	3-(4-chlorophenyl)-1,1,2-trimethylisourea
tripropindan	6-isopropyl-1,1,4-trimethyl-5-propionylindane
vernolate	*S*-propyl dipropylthiocarbamate

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Director, Administrative Services: T. Martin FCA

The Organization
CAB International (CABI) is an international, inter-governmental organization. It is owned by its member governments; these currently number 34, but membership is open to any others wishing to participate. Established in 1928, the organization provides information, scientific and development services for agriculture and allied disciplines throughout the world.

Information Services
The main task of the Information Services, located at the CAB International Centre (CABIC) at Wallingford, is the creation of a bibliographic database (CAB ABSTRACTS) of research on agriculture, forestry, the environment, applied social sciences and aspects of human medicine.

Relevant scientific and technical literature is acquired worldwide for abstracting and indexing by almost 100 scientists/linguists in five divisions:

Animal Health & Medical Parasitology
Animal Production & Human Nutrition
Crop Protection & Genetics
Crop Production
Natural Resources, Forestry & Economics

Further material is acquired and processed by collaborating or contracted organizations.

Abstract journals and electronic products derived from the database, and online access to it, provide unique sources of information for research scientists, development planners, educators and students.

The Information Services also publish primary journals and books, and offer training for information professionals, especially from developing countries.

Scientific Services
CABI's Scientific Services consist of four institutes and Library Services:

International Institute of Entomology
Acting Director, Prof. T. Jones, located at 56 Queen's Gate, London, and in the Natural History Museum.

International Mycological Institute
Director, Professor D.L. Hawksworth, located at Bakeham Lane, Egham, Surrey, TW20 9TY.

International Institute of Parasitology
Director, Dr R. Muller, located at Winches Farm, St Albans, Herts, AL4 0XU.

International Institute of Biological Control,
Director, Dr J.K. Waage, has its headquarters at Silwood Park, Ascot and stations in Trinidad and Tobago, Switzerland, Pakistan, Kenya and Malaysia.

These Institutes provide an authoritative identification service for agricultural pests and other organisms, a biocontrol service, and conduct research, implement projects, and provide training in their fields of expertise.

Library Services
Manager, Mr C.J. Hamilton, have headquarters at Silwood Park, and operate document delivery and translation services.

Marketing and Development Services
MDS is responsible for the marketing of all CABI products and services, and for its development and training services. An important aspect is the establishment of effective partnerships with relevant development assistance agencies aimed at increasing the delivery of CABI services to developing countries.

Information Technology Services
ITS provide computing resources and services to all parts of CABI. A central computing facility is maintained with telecommunications access to seven remote sites, including the four CABI Institutes. CABIC is served by a modern Local Area Network which provides access to the computers, and by advanced office automation facilities. The staff include database production personnel, systems analysts, programmers and computer operators. The principal systems are for the production of the CAB ABSTRACTS database and associated functions, plus accessions control, subscription management and electronic publishing.

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